

Scheppach HM216

Scheppach HM216 Radial Miter Saw

Model: HM216

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Scheppach HM216 Radial Miter Saw. Please read all instructions carefully before using the tool to ensure personal safety and optimal performance.

2. SAFETY INSTRUCTIONS

Always observe general power tool safety guidelines. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment:** Always wear safety glasses, hearing protection, and a dust mask when operating the miter saw.
- **Work Area:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Ensure the power supply matches the tool's specifications. Do not expose power tools to rain or wet conditions.
- **Blade Safety:** Always ensure the blade guard is functioning correctly. Never attempt to bypass safety features. Disconnect power before changing blades or performing maintenance.
- **Workpiece Clamping:** Securely clamp the workpiece before cutting. Never hold the workpiece by hand during operation.
- **Laser Safety:** Avoid direct eye exposure to the laser beam. Do not stare into the beam.
- **Stability:** Ensure the saw is placed on a stable, level surface before operation.

3. PRODUCT FEATURES

- Robust and lightweight die-cast aluminum frame for easy transport.
- Powerful 2000 W motor for versatile use.

- Compact dimensions, also ideal for small workshops.
- HM blade with 24 teeth for consistent and precise cutting results.
- Integrated laser for exact cutting line indication.
- Large cutting capacity up to 340 mm.
- Fully enclosed blade guard for maximum work safety.
- Includes 24-tooth and 48-tooth HM blades.

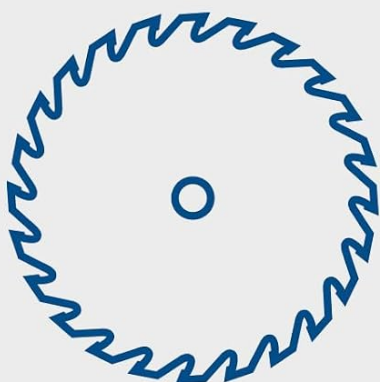
Larghezza di taglio



Altezza di taglio



Lama della sega 216 mm 24 Denti / 48 Denti



Robusto



The Scheppach HM216 Radial Miter Saw is supplied with two different saw blades, a 24-tooth blade for general cutting and a 48-tooth blade for finer finishes.

4. SETUP

4.1 Unpacking and Assembly

Carefully remove all components from the packaging. Inspect for any damage. Assemble any detachable parts such as

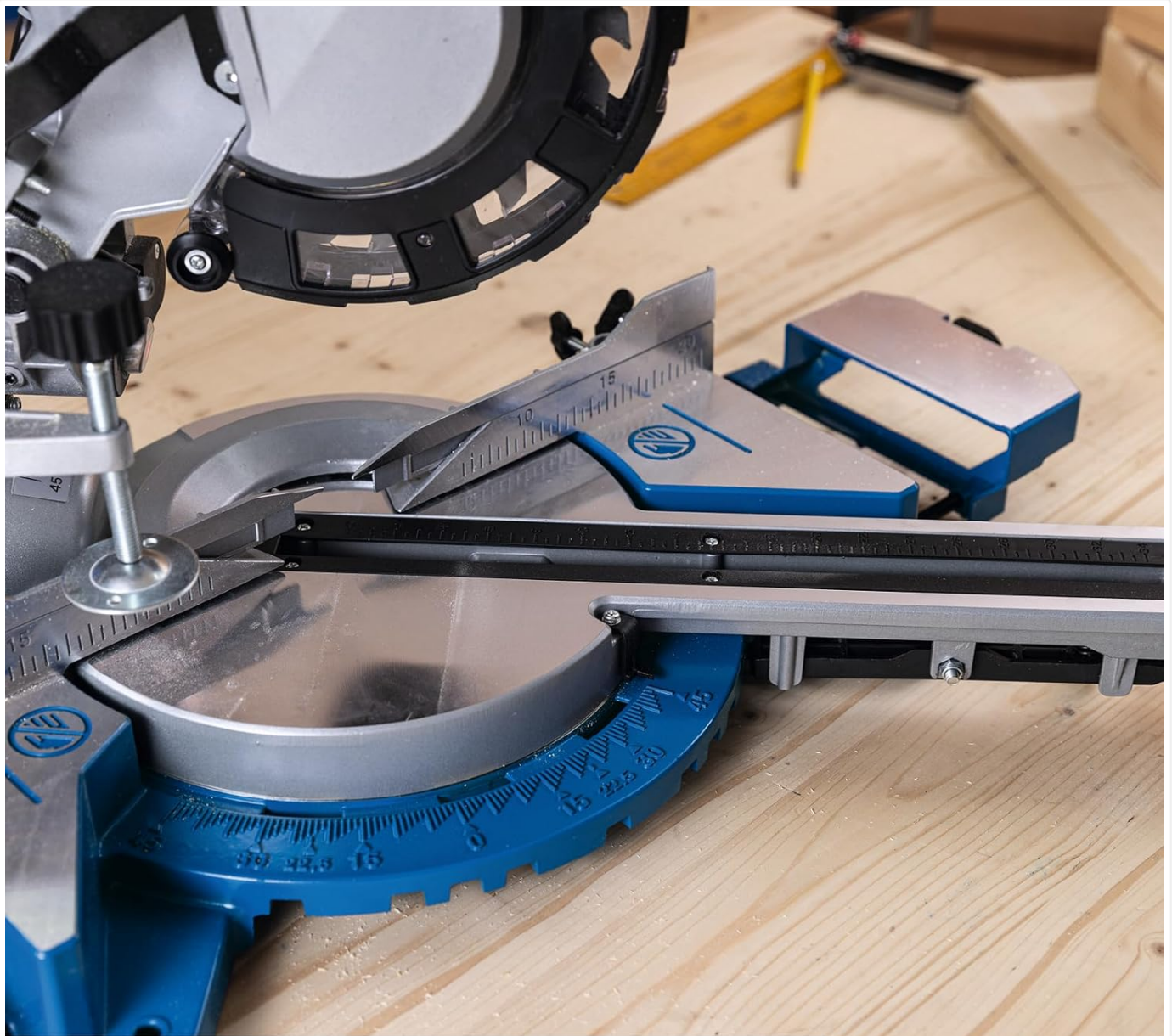
the dust bag, side extensions, or material supports as per the included assembly diagrams (refer to the separate assembly guide if provided).

4.2 Blade Installation/Change

1. **Disconnect Power:** Always unplug the saw from the power source before installing or changing blades.
2. **Open Blade Guard:** Lift the lower blade guard and secure it in the open position if possible, or hold it carefully.
3. **Loosen Arbor Nut:** Use the provided wrench to loosen the arbor nut that secures the blade. Note that the nut may have a left-hand thread.
4. **Remove Old Blade:** Carefully remove the old blade, noting its rotation direction.
5. **Install New Blade:** Place the new blade onto the arbor, ensuring the teeth are pointing in the correct direction (usually indicated by an arrow on the blade and saw).
6. **Tighten Arbor Nut:** Securely tighten the arbor nut. Do not overtighten.
7. **Close Blade Guard:** Release the blade guard to its original position.

4.3 Workpiece Clamping

The workpiece clamp is essential for safe and accurate cuts. Position the clamp to firmly hold the material against the fence and the miter table. Adjust the clamp height and position to suit the workpiece dimensions.



Facile regolazione dell'angolo grazie ai punti di riferimento predefiniti sul piatto girevole.

This image demonstrates the workpiece clamping device, ensuring maximum safety and stability during cutting operations by firmly holding the material in place.

5. OPERATING INSTRUCTIONS

5.1 Power Connection

Connect the saw to a suitable 230 Volt power outlet. Ensure the power cord is not damaged and is positioned to avoid accidental cutting or tripping hazards.

5.2 Adjusting Miter and Bevel Angles

The HM216 allows for precise adjustment of both miter (horizontal) and bevel (vertical) angles.

- **Miter Angle:** Loosen the miter lock knob, rotate the turntable to the desired angle (indicated on the scale), and then tighten the knob. Predefined detents are available for common angles like 0°, 15°, 22.5°, 30°, and 45°.
- **Bevel Angle:** Loosen the bevel lock lever, tilt the saw head to the desired angle (indicated on the scale), and then

tighten the lever.



Il dispositivo di bloccaggio del pezzo garantisce la massima sicurezza durante il taglio.

The image highlights the easy angle adjustment feature of the miter saw, with predefined detents on the turntable for precise and quick setting of common miter angles.

5.3 Making Cuts

1. **Position Workpiece:** Place the workpiece firmly against the fence and miter table. Secure it with the workpiece clamp.
2. **Align Cut:** Activate the laser guide to align the blade with your desired cut line.
3. **Start Saw:** Press the power switch to start the motor. Allow the blade to reach full speed before beginning the cut.
4. **Perform Cut:** Slowly and steadily lower the saw head through the workpiece. For radial cuts, pull the saw head forward, lower it, and push it back through the material.
5. **Retract Blade:** Once the cut is complete, release the power switch and allow the blade to stop completely before raising the saw head.
6. **Remove Workpiece:** Only remove the workpiece after the blade has come to a complete stop and the saw head is

fully retracted.

5.4 Dust Collection

The HM216 is equipped with a dust bag connection. Attach the provided dust bag or connect to an external dust extraction system to minimize sawdust and maintain a cleaner work environment.

6. MAINTENANCE

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

- **Cleaning:** After each use, unplug the saw and clean off sawdust and debris from the motor vents, blade guard, and miter table using a brush or compressed air.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Lubrication:** Apply a light coat of machine oil to moving parts and pivot points as needed to ensure smooth operation.
- **Carbon Brushes:** If the motor performance decreases, inspect the carbon brushes. Replace them if they are worn down to their limit. Refer to the service manual for specific instructions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Test switch; Replace carbon brushes
Inaccurate cuts	Dull blade; Incorrect angle setting; Loose fence/table	Replace blade; Re-adjust angles; Tighten all locking mechanisms
Laser not working	Laser switch off; Dirty laser lens; Laser module fault	Turn on laser switch; Clean laser lens; Contact service for replacement
Excessive vibration/noise	Damaged blade; Loose components; Motor issue	Replace blade; Check and tighten all fasteners; Contact service

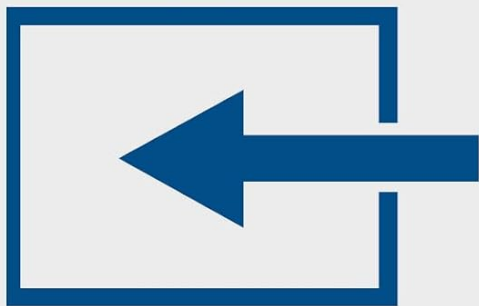
8. SPECIFICATIONS

Feature	Specification
Brand	Scheppach
Model Number	HM216
Power	2000 Watt
Voltage	230 Volt
Speed	4700 RPM
Blade Diameter	216 mm

Feature	Specification
Number of Teeth (Included Blades)	24 and 48 teeth
Max Cutting Width	340 mm
Max Cutting Height	65 mm
Max Cutting Angle (Miter)	45 Degrees
Blade Material	Alloy steel
Recommended Surfaces	Wood, Plastic
Item Weight	12 Kilograms
Special Features	Lightweight, Integrated Laser

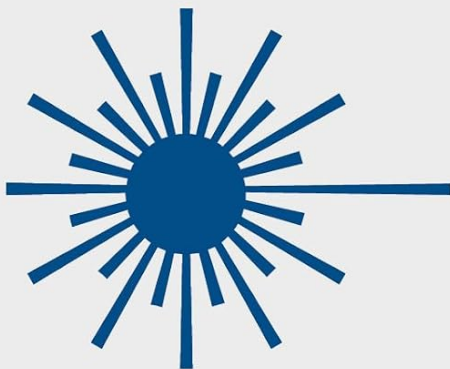
2000 W

230 – 240 V~ / 50 Hz



Laser

Costruzione compatta



This diagram details the maximum cutting capacity of the HM216 miter saw: up to 340 mm in width and 65 mm in height. It also confirms the 216 mm saw blade diameter and the availability of 24-tooth and 48-tooth blades.

9. WARRANTY

The Scheppach HM216 Radial Miter Saw comes with a limited warranty. For detailed information regarding warranty terms, conditions, and registration, please refer to the warranty card included with your product or visit the official Scheppach website.

10. SUPPORT

If you encounter any issues or have questions not covered in this manual, please contact Scheppach customer service. You can find contact information on the official Scheppach website or through your retailer.

Online Resources: For additional support, FAQs, and product information, visit the official Scheppach website: www.scheppach.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

