metabo 629007000

Metabo KSU 251 Mobile Miter Saw Stand Instruction Manual

Model: 629007000

1. Introduction

This instruction manual provides important information for the safe and efficient operation of your Metabo KSU 251 Mobile Miter Saw Stand. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper use and to prevent injury or damage.

The Metabo KSU 251 is a robust and versatile stand designed for miter saws, offering a high load capacity of up to 180 kg. Its key features include a convenient trolley function for easy transport, height-adjustable feet for stability on uneven surfaces, extendable workpiece supports with rollers for precise serial work, and a space-saving foldable design for compact storage, even with the saw mounted.

2. Safety Instructions

Always observe the following safety precautions to reduce the risk of injury or damage:

- **Read all instructions:** Before using the miter saw stand, read and understand all instructions provided in this manual and the miter saw's manual.
- **Stable surface:** Always set up the stand on a firm, level, and stable surface. Adjust the height-adjustable feet as necessary to ensure maximum stability.
- **Load capacity:** Do not exceed the maximum load capacity of 180 kg. Overloading can cause the stand to tip or collapse, leading to injury or damage.
- **Secure the saw:** Ensure the miter saw is securely mounted to the machine carrier before operation. Follow the saw manufacturer's instructions for mounting.
- **Workpiece support:** Use the extendable workpiece supports to adequately support long or heavy workpieces. Ensure the workpiece is stable before cutting.
- **Transport:** When using the trolley function, ensure the saw is securely attached and the stand is properly folded for transport. Be mindful of obstacles and uneven terrain.
- **Maintenance:** Regularly inspect the stand for any signs of wear, damage, or loose fasteners. Do not use a damaged stand.

- **Children and bystanders:** Keep children and bystanders away from the work area.

3. Components Overview

The Metabo KSU 251 Mobile Miter Saw Stand consists of the following main components:

- Main Frame with Legs
- Trolley Wheels
- Height-Adjustable Feet
- Extendable Workpiece Supports with Rollers
- Machine Carrier (included)
- Folding Mechanisms



Figure 3.1: Assembled Metabo KSU 251 Mobile Miter Saw Stand, showing the main frame, extendable supports, and wheels.

4. Setup and Assembly

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the "Components Overview" are present.
2. **Unfolding the Stand:** Place the stand on a flat surface. Release the folding mechanisms and carefully unfold the

legs until they lock into place. Ensure all locking pins or levers are engaged.

3. **Adjusting Height-Adjustable Feet:** For optimal stability, especially on uneven ground, adjust the individual feet by rotating them until the stand is level and firm.
4. **Attaching the Machine Carrier:** Secure the included machine carrier to the designated mounting points on the stand. Ensure it is firmly attached according to the instructions provided with the carrier.
5. **Mounting the Miter Saw:** Attach your miter saw to the machine carrier. Refer to your miter saw's instruction manual for specific mounting procedures. Ensure the saw is securely fastened to prevent movement during operation.
6. **Extending Workpiece Supports:** Pull out the extendable workpiece supports to the desired length. These supports feature rollers and a folding guide for precise work with long materials. Lock them in position once extended.

5. Operating Instructions

5.1. Working with the Stand

- **Positioning:** Place the stand in a well-lit work area, ensuring sufficient space around the miter saw for safe operation and material handling.
- **Workpiece Support:** Always use the extendable workpiece supports when cutting long or heavy materials. Adjust their height to be level with the miter saw's table for accurate and stable cuts.
- **Load Capacity:** The stand is designed to support up to 180 kg. Do not exceed this weight limit, including the weight of the saw and the workpiece.

5.2. Trolley Function for Transport

The integrated trolley function allows for easy transport of the stand, even with a miter saw mounted.

1. **Folding for Transport:** Ensure the miter saw is securely mounted. Carefully fold the stand into its compact transport position. The design allows for space-saving storage even with the saw attached.
2. **Engaging Trolley:** Once folded, tilt the stand onto its wheels. The robust wheels are designed for easy movement.
3. **Transporting:** Use the handles or frame to push or pull the stand to your desired location. Be cautious on uneven surfaces.



Figure 5.1: Metabo KSU 251 Mobile Miter Saw Stand in its folded position with a miter saw mounted, ready for transport using the trolley function.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your Metabo KSU 251 Mobile Miter Saw Stand.

- **Cleaning:** After each use, wipe down the stand with a damp cloth to remove dust and debris. Avoid using harsh chemicals.
- **Inspection:** Periodically inspect all bolts, nuts, and fasteners to ensure they are tight. Check for any signs of damage, cracks, or excessive wear on the frame, legs, wheels, and workpiece supports.
- **Lubrication:** Apply a light lubricant to moving parts, such as the folding mechanisms and extendable support rollers, if they become stiff.
- **Storage:** Store the stand in a clean, dry place, preferably in its folded, compact position to save space.

7. Troubleshooting

Problem	Possible Cause	Solution
Stand is wobbly/unstable	Uneven surface; feet not adjusted; locking mechanisms not engaged.	Ensure stand is on a level surface. Adjust height-adjustable feet. Check that all folding mechanisms are fully locked.

Problem	Possible Cause	Solution
Workpiece supports are stiff to extend/retract	Accumulated dirt/debris; lack of lubrication.	Clean the sliding parts of the supports. Apply a light lubricant.
Miter saw feels loose on the stand	Saw not securely mounted to the machine carrier; machine carrier not securely attached to the stand.	Verify all mounting bolts for the saw and the machine carrier are tightened according to their respective manuals.

8. Specifications

Model Number: 629007000

Brand: Metabo

Product Dimensions: 131.5 x 66.5 x 66.5 cm (51.8 x 26.2 x 26.2 inches)

Item Weight: 31 kg (68.3 lbs)

Maximum Load Capacity: 180 kg (396.8 lbs)

Special Features: Trolley function, Space-saving foldable

Included Components: Machine carrier

Handle Material: Rubber

Power Source: Hand operated (for the stand itself)

9. Warranty and Support

For detailed warranty information and customer support, please refer to the warranty card included with your product or visit the official Metabo website. You can also contact Metabo customer service for assistance with product inquiries, spare parts, or technical support.

Metabo Official Website: www.metabo.com

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