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› [Ingco](#) /

› INGCO Mitre Saw User Manual

Ingco BMS14007

INGCO Mitre Saw User Manual

Model: BMS14007

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your INGCO Mitre Saw, Model BMS14007. Please read this manual thoroughly before using the product to ensure proper handling and to prevent injury or damage.

SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate the saw in damp or wet conditions.
- Always unplug the saw from the power source before making adjustments, changing blades, or performing maintenance.
- Secure the workpiece firmly before cutting.
- Use only sharp and correctly sized saw blades.
- Do not force the tool; let the saw blade do the work.
- Maintain proper footing and balance at all times.

PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your INGCO Mitre Saw for safe and efficient operation.

PRODUCT FEATURES



45° Adjustable



1400W



Variable Speed Control



500 RPM

Figure 1: Key components of the INGCO Mitre Saw, including the Dust Collecting Bag, On/Off Switch, Handle, Carbon Brush Cover, Movable Guard, Blade, Working Clamp, Extension Bar, Fixed Base, Gradient Base, Movable Base, and Fence.

Dust Collecting Bag: Collects sawdust during operation to maintain a cleaner work environment.

On/Off Switch: Activates and deactivates the saw.

Handle: Ergonomically designed for comfortable grip and control during operation.

Carbon Brush Cover: Provides access to the motor's carbon brushes for maintenance.

Movable Guard: A safety feature that covers the blade when not in use and retracts during cutting.

Blade: The cutting component of the saw. Ensure it is sharp and appropriate for the material being cut.

Working Clamp: Used to secure the workpiece to the saw's base for stable cutting.

Extension Bar: Provides additional support for longer workpieces.

Fixed Base: The stationary part of the saw's base.

Gradient Base: Allows for angle adjustments for miter cuts.

Movable Base: The part of the base that rotates to set miter angles.

Fence: Provides a guide for the workpiece, ensuring accurate cuts.

PRODUCT DIMENSIONS



Figure 2: Product dimensions of the INGCO Mitre Saw, approximately 15.5 inches wide and 17 inches tall.

SETUP

Unpacking and Assembly

Carefully remove all components from the packaging. Inspect for any damage that may have occurred during shipping. Ensure all listed accessories are present.

VARIETY OF ACCESSORIES

INGCO
Make The World In Your Hands



Figure 3: Accessories included with the INGCO Mitre Saw.

Included Components:

- 1 x Mitre Saw Unit
- 2 x Extension Bars
- 1 x Bracket Baffle
- 1 x Trident Wheel
- 1 x Working Clamp
- 1 Set x Carbon Brush
- 1 x Hex Key

Mounting the Saw

For stability and safety, it is recommended to mount the mitre saw to a sturdy workbench or stand using appropriate fasteners (not included). Ensure the mounting surface is level and capable of supporting the saw's weight and operational forces.

Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Refer to the saw's blade guard mechanism to access the blade arbor.
3. Place the new blade onto the arbor, ensuring the teeth are oriented correctly for cutting.
4. Secure the blade with the provided washer and arbor nut, tightening firmly with the hex key.
5. Return the blade guard to its original position.

OPERATING INSTRUCTIONS

Power Connection

Connect the saw to a standard 220-240V~50/60Hz power outlet. Ensure the power source matches the saw's voltage requirements.

Adjusting Angles (Mitre and Bevel)



MULTI FUNCTIONS

Figure 4: Demonstrations of 45° Mitre Adjustment and Bevel Cuts 0-45° Left.

- **Mitre Adjustment:** Loosen the mitre lock knob. Rotate the movable base to the desired angle (up to 45° adjustable). The saw features positive stops at 9 settings for common angles (right/left). Tighten the lock knob to secure the angle.
- **Bevel Adjustment:** For bevel cuts, adjust the saw head tilt. This model supports bevel cuts from 0-45° to the left. Loosen the bevel lock, tilt the saw head to the desired angle, and then tighten the lock.

Making a Cut

1. Position the workpiece firmly against the fence and secure it with the working clamp.
2. Ensure the blade is clear of the workpiece before starting the motor.
3. Press the On/Off switch to start the motor. Allow the blade to reach full speed before beginning the cut.
4. Slowly lower the saw blade through the workpiece, applying steady, even pressure.
5. Once the cut is complete, release the On/Off switch and allow the blade to stop completely before raising the saw head.
6. Remove the cut workpiece and clear any sawdust.

MAINTENANCE

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

- **Cleaning:** After each use, unplug the saw and use a brush or compressed air to remove sawdust from the motor vents, blade guard, and base. Empty the dust collecting bag regularly.
- **Blade Care:** Keep the saw blade clean and sharp. A dull blade can cause kickback and strain the motor. Replace damaged or warped blades immediately.
- **Carbon Brushes:** Periodically inspect the carbon brushes for wear. Replace them when they are worn down to approximately 1/4 inch (6mm) or if the motor performance decreases. Refer to the Carbon Brush Cover for access.
- **Lubrication:** Apply a light coat of machine oil to moving parts and pivot points as needed to ensure smooth operation.
- **Storage:** Store the saw in a dry, secure location, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection and circuit breaker; inspect/replace switch; replace carbon brushes.
Motor runs but blade does not spin.	Blade not properly secured; damaged arbor.	Ensure blade is correctly installed and tightened; contact service for arbor repair.
Excessive vibration or noise.	Dull or damaged blade; loose components; worn bearings.	Replace blade; check and tighten all fasteners; contact service for bearing inspection.
Sawdust not collecting effectively.	Dust bag full or clogged; dust port obstructed.	Empty and clean dust bag; clear any obstructions from the dust port.

SPECIFICATIONS

Feature	Detail
Brand	Ingco
Model Number	BMS14007
Voltage	220-240V~50/60Hz (as per feature bullets) / 28 Volts (as per specifications) -Note: Discrepancy in source data, user should verify product label.
Power Source	Hand Powered (as per specifications) -Note: This contradicts the voltage specification, implying it's a corded electric tool. User should verify.
Speed	4500 RPM
Item Weight	350 Grams
Product Dimensions (LxWxH)	28 x 18 x 8 cm
Blade Material	Stainless Steel
Handle Material	Plastic
Colour	Yellow and Black
Adjustable Angle	45° Adjustable (Mitre)
Bevel Cuts	0-45° Left

Note: Some specifications provided in the source data appear contradictory (e.g., Voltage and Power Source). Please refer to the product label for the most accurate information.

WARRANTY AND SUPPORT

The product specifications indicate "No Warranty". For any technical assistance, spare parts, or further inquiries, please contact INGCO customer support through their official channels or visit the [Ingco Store on Amazon](#).

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.

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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