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General International MS3005

General International 10" Compound Sliding Miter Saw

Model: MS3005

INTRODUCTION

Thank you for purchasing the General International 10" Compound Sliding Miter Saw, Model MS3005. This powerful and versatile tool is designed for precision cutting of wood, plastic, and aluminum (with the correct blade). Featuring dual slide rails, a 1mW Class II laser alignment system, and a robust 15-amp motor, it provides accurate and efficient performance for various woodworking projects. Please read this manual thoroughly before operation to ensure safe and effective use of your new miter saw.

SAFETY INFORMATION

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

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the saw.
- **Wear Eye Protection:** Always wear safety goggles or a face shield.
- **Wear Hearing Protection:** Use earplugs or earmuffs during operation.
- **Secure Workpiece:** Always clamp the workpiece firmly to the fence and table.
- **Keep Hands Clear:** Never place hands near the cutting path of the blade.
- **Unplug Before Adjustments:** Disconnect the saw from power before changing blades, making adjustments, or performing maintenance.
- **Maintain a Clean Work Area:** Cluttered areas invite accidents.
- **Do Not Operate in Damp Conditions:** Avoid using power tools in wet or damp locations.
- **Use the Correct Blade:** Ensure the blade is sharp, clean, and appropriate for the material being cut.
- **Avoid Forcing the Tool:** Let the saw do the work at its intended speed.
- **Check for Damaged Parts:** Before each use, inspect the saw for any damaged parts.

COMPONENTS AND PARTS

The General International MS3005 miter saw comes with several key components designed for optimal performance and safety.



Figure 1: Overview of the General International 10" Compound Sliding Miter Saw. This image displays the main components including the motor housing, blade guard, cutting table with miter scale, sliding rails, and hold-down clamp.

- **Motor Housing:** Contains the powerful 15-amp motor.
- **Blade Guard:** Transparent guard for safety and visibility of the blade.
- **10-Inch Saw Blade:** Carbide-tipped for efficient cutting.
- **Dual Slide Rails:** Provides extended cross-cutting capacity and precision.
- **Miter Table:** Rotates for miter cuts up to 45 degrees left and right.
- **Bevel Adjustment:** Allows for bevel cuts up to 45 degrees left.
- **Laser Alignment System:** 1mW Class II laser for accurate cut line indication.
- **Hold Down Clamp:** Secures the workpiece during cutting.
- **Dust Bag:** Collects sawdust for a cleaner work environment.
- **Table Side Extension Bars:** Provides additional support for longer workpieces.

- **Rear Stabilization Bar:** Enhances stability during operation.
- **Push-Button Shaft Lock:** Facilitates quick and easy blade changes.

SETUP

Proper setup is crucial for safe and accurate operation.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Mounting:** For stability, it is highly recommended to securely mount the miter saw to a workbench or a dedicated miter saw stand using appropriate bolts through the base holes.
3. **Install Blade:** Ensure the saw is unplugged. Press the shaft lock button and use the provided wrench to loosen the arbor nut. Install the 10-inch carbide-tipped blade, ensuring the teeth are oriented correctly for cutting. Tighten the arbor nut securely.
4. **Attach Dust Bag:** Connect the dust bag to the dust port at the rear of the saw.
5. **Install Extension Bars:** Slide the table side extension bars into their respective slots on either side of the miter table and tighten their locking knobs.
6. **Install Hold Down Clamp:** Insert the hold-down clamp into the designated hole on the miter table and adjust its height as needed for your workpiece.
7. **Laser Alignment System:** The laser system may require batteries (not included) and calibration. Refer to the specific instructions for the laser module for battery installation and alignment procedures.

OPERATING INSTRUCTIONS

Understand the different cutting operations your miter saw can perform.

General Operation

- **Power Connection:** Connect the saw to a grounded 120V~60Hz power outlet.
- **Workpiece Placement:** Place the workpiece firmly against the fence and on the miter table. Use the hold-down clamp to secure it.
- **Starting the Saw:** Depress the trigger switch to start the motor. Allow the blade to reach full speed before beginning the cut.
- **Making the Cut:** Slowly lower the saw head through the workpiece. For sliding cuts, pull the saw head forward, lower the blade, and push it back through the material.
- **Finishing the Cut:** Once the cut is complete, release the trigger and allow the blade to stop completely before raising the saw head.

Miter Cuts (Angle Cuts)

To make miter cuts, loosen the miter table lock handle, rotate the table to the desired angle (up to 45 degrees left or right), and then re-tighten the lock handle. The laser alignment system can assist in precise angle setting.

Bevel Cuts (Angled Vertical Cuts)

To make bevel cuts, loosen the bevel lock knob (typically located at the rear of the saw). Tilt the saw head to the desired bevel angle (up to 45 degrees left). Re-tighten the bevel lock knob before cutting.

Compound Cuts (Miter and Bevel)

For compound cuts, set both the miter angle and the bevel angle simultaneously. This allows for complex angled cuts, such as those needed for crown molding.

Sliding Feature

The dual slide rails allow for cutting wider materials than a standard miter saw. For wider workpieces, pull the saw head towards you, lower the blade into the material, and then push the saw head smoothly away from you through the cut.

MAINTENANCE

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

- **Blade Changes:** Always unplug the saw. Use the push-button shaft lock and the provided wrench to safely remove and install blades. Ensure the new blade is clean, sharp, and suitable for the material.
- **Cleaning:** After each use, unplug the saw and use a brush or vacuum to remove sawdust and debris from the motor vents, blade guard, and table. Do not use solvents that could damage plastic parts.
- **Lubrication:** Periodically apply a light coat of silicone spray or dry lubricant to the sliding rails to ensure smooth operation.
- **Inspect Power Cord:** Regularly check the power cord for any signs of damage or fraying. Replace if necessary.
- **Laser Alignment:** Check and recalibrate the laser alignment system periodically to maintain cutting accuracy.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

| Problem | Possible Cause | Solution |
|--------------------------|---|--|
| Saw does not start. | No power, faulty switch, tripped circuit breaker. | Check power connection, test outlet, reset circuit breaker, contact service if switch is faulty. |
| Blade binds or smokes. | Dull blade, incorrect blade for material, forcing the cut, workpiece not secured. | Replace or sharpen blade, use appropriate blade, reduce feed rate, secure workpiece firmly. |
| Cuts are not accurate. | Miter/bevel scale misaligned, laser needs calibration, blade wobble. | Calibrate scales, adjust laser, check blade for damage or proper installation. |
| Sliding action is stiff. | Dust/debris on rails, lack of lubrication. | Clean rails thoroughly, apply silicone spray or dry lubricant. |

SPECIFICATIONS

| Feature | Detail |
|----------------|---------------------------|
| Model | MS3005 |
| Brand | General International |
| Power Source | Corded Electric |
| Voltage | 120 Volts |
| Wattage | 1800 watts |
| Current Rating | 15 Amps |
| No-Load Speed | 4400 RPM |
| Blade Diameter | 10 Inches |
| Miter Capacity | 45 degrees left and right |

| Feature | Detail |
|-------------------------|--|
| Bevel Capacity | 45 degrees left |
| Cross Cut at 90° | 3" x 12" (80 x 300 mm) |
| Miter Cut at 45° | 3" x 8" (80 x 200 mm) |
| Compound Cut at 45°/45° | 1.5" x 8" (40 x 200 mm) |
| Product Dimensions | 35"L x 17"W x 23"H |
| Item Weight | 29 Pounds |
| Included Components | Assembly Parts, Miter Saw, Setup Manual, Dust Bag, Hold Down Clamp, Table Side Extension Bars, Rear Stabilization Bar, 10-Inch Saw Blade |

WARRANTY AND SUPPORT

Your General International MS3005 Miter Saw comes with a limited warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official General International website.

For technical assistance, parts, or service inquiries, please contact General International Power Products customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

Manufacturer: General International Power Products

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Related Documents - MS3005

| | |
|---|---|
|  | <p>ACMER P3 Laser Engraver Manual 1.0 - User Guide</p> <p>Comprehensive user manual for the ACMER P3 Laser Engraver, covering installation, software setup, operation, maintenance, and troubleshooting. Learn to use ACMER P3 with detailed instructions and specifications.</p> |
|  | <p>ACMER P1 S PRO Laser Engraver: Assembly, Specifications, and Software Guide</p> <p>A comprehensive user manual for the ACMER P1 S PRO laser engraver, detailing assembly steps, technical specifications, and software setup for LaserGRBL, LightBurn, and the ACMER mobile app.</p> |

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|  | <p>Laser X 88912 Real-Life Laser Gaming Experience - Instruction Manual</p> <p>Official instruction manual for the Laser X 88912 Real-Life Laser Gaming Experience. Learn how to install batteries, play the game, change colors, reload, score hits, and follow safety guidelines.</p> |
|  | <p>IKO Mechatronics Series General Catalog</p> <p>This catalog provides an overview of the IKO Mechatronics Series, featuring a wide range of precision positioning tables, linear motor tables, alignment stages, and modules. It details advanced automation solutions for industrial applications, highlighting IKO's expertise in linear motion technology.</p> |
|  | <p>Laser X Ultra Double B2 Blasters: Instructions and Gameplay Guide</p> <p>Comprehensive instructions for the Laser X Ultra Double B2 Blasters, covering setup, gameplay, battery safety, and tips for an optimal experience. Learn how to customize team colors, reload, and score hits.</p> |
|  | <p>General ML-3DR Multi-Line Laser Level Instruction Manual</p> <p>Comprehensive instruction manual for the General ML-3DR Multi-Line Laser Level Premium Laser Kit. Includes safety precautions, item checklist, operating instructions, detector usage, multi-purpose mount guide, tripod usage, care and maintenance, troubleshooting, and warranty information.</p> |

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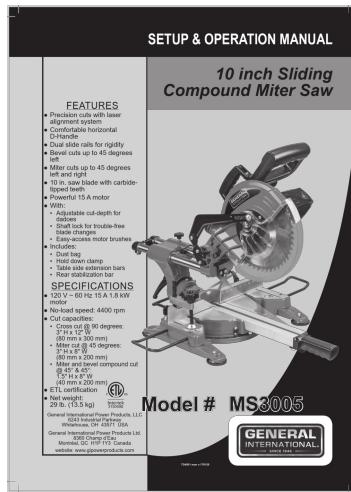


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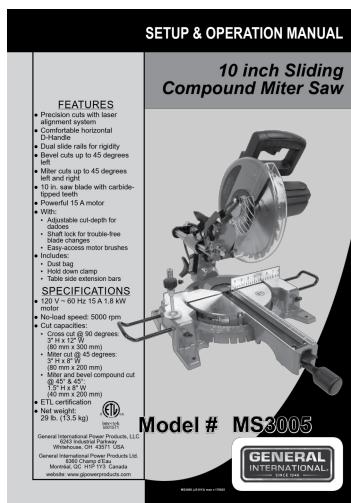


[pdf] Specifications Catalog

10 in 15 Amp Sliding Miter Saw with Laser Guidance System Specification General International MS3005 810083452647 0810083452647 1008444171 1cee6be6 ffe7 4e7f 8f4c 39cb403d1414 images thdstatic catalog Images 1c |||

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SETUP & OPERATION MANUAL

10 inch Sliding Compound Miter Saw

FEATURES

- Precision cuts with laser alignment system
- Adjustable horizontal D-Handle
- Ball bearing rails for rigidity
- Bevel cuts up to 45 degrees left and right
- Miter cuts up to 45 degrees left and right
- 10 in. dia. carbide-tipped blade
- Powerful 15 A motor
- With:
 - Adjustable cut-depth for:
 - Depth lock for trouble-free blade changes
 - Easy-access motor brushes
 - Dust bag
 - Hold down clamp
 - Table side extension bars

SPECIFICATIONS

- 120 V ~60 Hz 15 A 1.8 kW motor
- No-load speed: 5000 rpm
- Cut capacity:
 - Cross cut @ 90 degrees: 17 1/2" x 300 mm (445 mm x 762 mm)
 - Bevel cut @ 45 degrees: 3 1/2" x 200 mm (89 mm x 508 mm)
 - Miter and bevel compound cut @ 45 degrees: 17 1/2" x 200 mm (445 mm x 508 mm)
- ETL certification
- Net weight: 29 lb. (13.5 kg)

Model # MS3005

GENERAL INTERNATIONAL

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SETUP & OPERATION MANUAL

10 inch Sliding Compound Miter Saw

FEATURES

- Precision cuts with laser alignment system
- Adjustable horizontal D-Handle
- Ball slide rails for rigidity
- Bevel slide rails up to 45 degrees
- Miter slide rails up to 45 degrees left and right
- 10 in. dia. carbide-tipped blade
- Powerful 15 A motor
- With:
 - Adjustable cut-depth for:
 - Depth lock for trouble-free blade changes
 - Easy-access motor brushes
 - Includes:
 - Dust bag
 - Hold down clamp
 - Table side extension bars
 - Rear stabilization bars

SPECIFICATIONS

- 120 V ~60 Hz 15 A 1.8 kW motor
- No-load speed: 4400 rpm
- Cut capacity:
 - Cross cut @ 90 degrees: 17 1/2" x 300 mm (445 mm x 762 mm)
 - Miter cut @ 45 degrees: 17 1/2" x 200 mm (445 mm x 508 mm)
 - Miter and bevel compound cut @ 45 & 90 degrees: 17 1/2" x 200 mm (445 mm x 508 mm)
- ETL certification
- Net weight: 29 lb. (13.5 kg)

Model # MS3005

GENERAL INTERNATIONAL

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