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› [STANLEY](#) /

› Stanley SM18-B1 1800W Sliding Mitre Saw User Manual

STANLEY SM18-B1

Stanley SM18-B1 1800W Sliding Mitre Saw User Manual

Model: SM18-B1

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Stanley SM18-B1 1800W Sliding Mitre Saw. Please read this manual thoroughly before using the tool and keep it for future reference.



Image 1.1: The Stanley SM18-B1 1800W Sliding Mitre Saw, showcasing its main components and design.

2. SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep the work area clean and well-lit. 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask. Dress properly; avoid loose clothing or jewelry. Secure long hair. Do not overreach. Stay alert and use common sense.
- **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.
- **Specific Mitre Saw Safety:** Ensure the blade is sharp and correctly installed. Never remove the blade guard. Keep hands clear of the cutting area. Support workpieces properly.

3. PRODUCT OVERVIEW AND COMPONENTS

The Stanley SM18-B1 is an 1800W sliding mitre saw designed for precise cutting of wood. Key features include:

- **Ergonomic Handle:** Designed for comfortable and easy operation with a lock-off trigger switch.
- **LED Shadow Cut Line:** Provides a clear and accurate cut line for precise results and improved illumination.
- **Anti-Rust Plated Sliding Rod:** Ensures durability and smooth operation of the sliding mechanism.
- **Repetitive Cut Feature:** Allows for consistent cut lengths for repetitive tasks.
- **Robust Base and Fence:** Provides enhanced stability and accuracy during cutting operations.
- **Double Bevel Head:** Offers the ability to cut bevels by simply flipping the saw head.



Image 3.1: The mitre saw shown with its included accessories: a dust collection bag, a material clamp, and a blade wrench.

SM18 - SLIDING MITRE SAW

- LED shadow cut line for accurate cut & better illumination consistent cutting accuracy at bev mitre cut
- Double bevel design has the ability to cut 2 bevel edges by simply flipping the saw
- Strong sliding rail structure with dustproof feat ensures rail linear durability



1800

W

4800

RPM

10

INCH

Product Code	Tool	Max. Disc Size	Mitre Cut Range	Weight
SM18	Mitre Saw	254mm	.47°+52°	18.6kg

0° x 0° Cross Cut Capacity	H52xW285mm	H80xW310mm
45° x 0° Mitre Cut Capacity	H52xW190mm	H80xW210mm
0° x 45° Bevel Cut Capacity Left	H47xW285mm	H45xW310mm
45° x 45° Compound Cut Capacity	H47xW190mm	H45xW210mm
0° x 45° Bevel Cut Capacity Right	H35xW285mm	H25xW310mm
45° x 45° Compound Cut Capacity	H35xW190mm	H25xW210mm



Image 3.2: A diagram illustrating key features such as the LED shadow line, double bevel capability, and strong sliding rail structure.



Image 3.3: The mitre saw head shown adjusting for double bevel cuts, indicating its flexibility for various cutting angles.

4. SETUP

Before operating the saw, ensure it is properly set up and secured.

1. **Unpacking:** Carefully remove the saw and all accessories from the packaging. Inspect for any damage.
2. **Mounting:** Securely mount the mitre saw to a stable workbench or a dedicated mitre saw stand using appropriate fasteners.
3. **Blade Installation:** Ensure the blade is correctly installed and tightened. Refer to the blade change instructions if necessary.
4. **Dust Bag Attachment:** Attach the dust collection bag to the dust port to help manage sawdust.
5. **Fence Adjustment:** Adjust the fence to ensure it is square to the blade for accurate cuts.



Image 4.1: A user adjusting the fence of the mitre saw to ensure proper alignment for cutting.



Image 4.2: A close-up view of the bevel angle adjustment mechanism, showing the scale for precise angle settings.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your mitre saw.

1. **Prepare the Workpiece:** Ensure the material is free of nails, screws, or other foreign objects. Support long workpieces adequately.
2. **Set the Angle:** Adjust the mitre and/or bevel angle as required for your cut. The saw supports up to 45-degree bevel cuts.
3. **Position the Workpiece:** Place the workpiece firmly against the fence and the saw table. Use the material clamp to secure it if necessary.
4. **Activate LED Shadow Line:** Engage the LED shadow line feature to project an accurate cut line onto your workpiece.
5. **Start the Saw:** Hold the handle firmly and press the trigger switch to start the motor. Allow the blade to reach full speed before beginning the cut.
6. **Perform the Cut:**
 - For crosscuts, slowly lower the blade through the workpiece.
 - For sliding cuts, push the saw head forward, lower the blade, then pull the saw head back

through the material.

7. **Complete the Cut:** Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.



Image 5.1: The LED shadow line clearly indicating the precise cutting path on a wooden workpiece.



Image 5.2: A user demonstrating the operation of the mitre saw, making a precise cut on a wooden board.



Image 5.3: A hand guiding the saw blade down towards a workpiece, illustrating the cutting motion.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** After each use, disconnect the saw from power and clean off sawdust and debris. Use a soft brush or compressed air.
- **Dust Collection:** Regularly empty the dust collection bag. For improved dust extraction, connect a shop vacuum to the dust port.
- **Blade Inspection:** Periodically inspect the saw blade for sharpness and damage. Replace dull or damaged blades promptly.
- **Sliding Rods:** Keep the anti-rust plated sliding rods clean and free of debris to ensure smooth operation.
- **General Inspection:** Check all screws and fasteners for tightness. Inspect the power cord for damage.



Image 6.1: A user connecting a dust extraction hose to the saw's dust port for efficient sawdust removal.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Saw does not start	No power supply; faulty switch; motor overload.	Check power connection and circuit breaker. Ensure trigger switch is fully engaged. Allow motor to cool if overloaded.
Inaccurate cuts	Dull blade; incorrect fence/angle setting; workpiece not secured.	Replace blade. Verify fence and angle settings. Secure workpiece with clamp.
Excessive vibration/noise	Loose blade; damaged blade; worn bearings.	Check blade tightness. Replace damaged blade. Contact service for bearing issues.

Problem	Possible Cause	Solution
Sawdust buildup	Dust bag full; dust port clogged.	Empty dust bag. Clear dust port. Consider connecting a vacuum.

8. SPECIFICATIONS

Detailed technical specifications for the Stanley SM18-B1 Sliding Mitre Saw.

Specification	Value
Brand	STANLEY
Model Number	SM18-B1
Wattage	1800 Watts
Voltage	220 Volts
Speed	4800 RPM
Blade Length	10 Inches (254mm)
Number of Teeth	80
Cutting Angle (Max)	45 Degrees (Bevel)
Blade Material	Alloy Steel
Surface Recommendation	Wood
Product Dimensions	79L x 60W x 40H Centimeters
Item Weight	18.6 Kilograms
Included Components	Mitre Saw, Dust Bag, Material Clamp, Blade Wrench

9. WARRANTY AND SUPPORT

STANLEY provides comprehensive customer support and warranty services for its products.



SALES AND AFTER
SALES SUPPORT



GREAT SERVICE
NETWORK



WARRANTY



ORIGINAL PARTS



INFORMATION



OMNICHANNEL
SUPPORT

CUSTOMER CARE CONTACT

PHONE:

1800-203-0644

EMAIL:

SBD-CUSTOMER
COMMUNICATIONS
@SBDINC.COM

WHATSAPP:



+91 96060 55835

SCAN THE CODE TO CONTACT US

MON-SAT

09:00 AM - 06:00 PM IST
EXCEPT GOVERNMENT HOLIDAYS

NUMBER OF AUTHORIZED
SERVICE CENTER : 500+

Image 9.1: Stanley Total Care contact details for sales, after-sales support, warranty, and original parts.

Customer Care Contact:

Phone: 1800-203-0644

Email: SBD-CUSTOMERCOMMUNICATIONS@SBDINC.COM

WhatsApp: +91 96060 55835 (Scan QR code in image for direct access)

Operating Hours: Mon-Sat, 09:00 AM - 06:00 PM IST (Except Government Holidays)

Service Network: Over 500 authorized service centers.

For warranty claims or service, please have your product model number (SM18-B1) and purchase details ready when contacting support.