

Stayer SC 250 PRO W (Model 1.1377)

Stayer SC 250 PRO W Professional Miter Saw Instruction Manual

Model: SC 250 PRO W (Reference: 1.1377)

Brand: Stayer

1. INTRODUCTION

Thank you for choosing the Stayer SC 250 PRO W Professional Miter Saw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before operating the saw and keep it for future reference. Proper use and maintenance will ensure long-lasting performance and safety.

2. GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This section outlines critical safety guidelines.

2.1. Work Area Safety

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2. Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

2.3. Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.

- Wear appropriate hearing protection when operating noisy tools.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- Use dust extraction and collection facilities if provided. This saw is equipped with a dust extraction port and includes a dust bag.

3. COMPONENTS AND FEATURES

The Stayer SC 250 PRO W miter saw is designed for precision cutting of various materials. Familiarize yourself with its key components.



Figure 3.1: Stayer SC 250 PRO W Professional Miter Saw. This image shows the overall design of the miter saw, highlighting its red and black color scheme and robust construction, including the top cutting table and the main saw assembly.



Figure 3.2: Detailed diagram of the Stayer SC 250 PRO W Miter Saw components. This diagram illustrates various parts such as the upper protector, push bar, dust collection bag, lateral supports, extendable support with scale, pivoting base, and vertical clamp, providing a visual guide to the saw's features.

Key Features:

- **Portable Design:** Compact and lightweight (14.5 kg) for easy transport and setup.
- **Versatile Cutting:** Capable of precise straight, miter, and bevel cuts, as well as straight cuts on the integrated top table.
- **Material Compatibility:** Suitable for cutting wood, aluminum, laminates, PVC, and plastic, depending on the installed blade.
- **Durable Construction:** Features an aluminum structure and top table for enhanced robustness and reduced weight.
- **Safety Mechanisms:** Equipped with blade protectors and a push bar to prevent accidental contact with the blade.
- **Extendable Support:** Graduated extendable support facilitates cutting of long workpieces.
- **Vertical Clamp:** A vertical clamp is included to securely hold workpieces during cutting operations.
- **Pivoting Base:** The base pivots with locking positions at 22.5°, 45°, and 90° for accurate angle adjustments.
- **Dust Management:** Pre-disposed for external dust extraction systems and includes a dust collection bag for cleaner operation.

4. SETUP

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

4.1. Unpacking and Inspection

1. Carefully remove the saw and all accessories from the packaging.
2. Inspect the tool for any damage that may have occurred during shipping. Do not operate a damaged tool.
3. Verify that all components listed in the 'Included Components' section are present.

4.2. Mounting the Saw

- Place the saw on a stable, level, and secure workbench or stand.
- Secure the saw to the workbench using appropriate bolts or clamps through the mounting holes in the base. This prevents the saw from moving during operation.

4.3. Blade Installation (if not pre-installed)

1. Ensure the saw is unplugged from the power source.
2. Refer to the blade guard mechanism. Typically, a lever or button allows access to the blade arbor.
3. Place the appropriate 254mm tungsten carbide blade onto the arbor, ensuring the teeth are oriented correctly for cutting (usually pointing downwards towards the front of the saw).
4. Secure the blade with the provided washer and arbor nut, tightening it firmly.
5. Ensure the blade guard operates freely and covers the blade when the saw is not in use.

4.4. Dust Collection Setup

- Attach the included dust collection bag to the dust port.
- For enhanced dust control, connect an external dust extraction system to the dust port.

5. OPERATING INSTRUCTIONS

This section details the procedures for operating your Stayer miter saw for various cuts.

5.1. General Operation

1. **Power Connection:** Plug the saw into a suitable 230V power outlet.
2. **Workpiece Placement:** Place the workpiece firmly against the fence and the saw table. Use the vertical clamp to secure it.
3. **Support Long Workpieces:** Utilize the extendable graduated support for long materials to prevent tipping.
4. **Starting the Saw:** Depress the trigger switch to start the motor. Allow the blade to reach full speed (3800 rpm) before beginning the cut.
5. **Making the Cut:** Slowly lower the saw blade through the workpiece. Do not force the cut.
6. **Completing the Cut:** Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.

5.2. Miter Cuts

- Loosen the miter lock handle.
- Rotate the pivoting base to the desired miter angle (e.g., 22.5°, 45°). The base has preset locking positions for common angles.
- Securely tighten the miter lock handle.
- Proceed with the cut as described in "General Operation".

5.3. Bevel Cuts

- Adjust the bevel angle by loosening the bevel lock and tilting the saw head to the desired angle.
- Tighten the bevel lock securely.
- Proceed with the cut as described in "General Operation".

5.4. Top Table Cuts

- Ensure the miter saw head is locked in its upright position.
- Place the workpiece on the top cutting table.
- Use the appropriate guides and push stick for safe and accurate cuts on the top table.
- Activate the saw and carefully feed the material through the blade.

6. MAINTENANCE

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

6.1. Cleaning

- Always unplug the saw before cleaning.
- Regularly clean dust and debris from the saw, especially around the motor vents, blade area, and moving parts. Use compressed air or a brush.
- Empty the dust collection bag frequently.

6.2. Blade Care

- Inspect the blade regularly for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately.
- Clean resin and pitch buildup from the blade using a suitable blade cleaner.

6.3. Lubrication

- Apply a light coat of machine oil to pivot points and sliding mechanisms periodically to ensure smooth operation.

6.4. Storage

- Store the saw in a dry, secure location, out of reach of children.
- Protect the blade from damage during storage.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Saw does not start.	No power supply; Faulty switch; Motor overload.	Check power connection and circuit breaker; Contact qualified service personnel; Allow motor to cool down.
Blade binds or cuts slowly.	Dull or dirty blade; Incorrect blade for material; Workpiece not secured.	Replace or clean blade; Use appropriate blade; Secure workpiece firmly with clamp.
Excessive vibration.	Loose blade; Damaged blade; Saw not securely mounted.	Tighten blade arbor nut; Replace blade; Secure saw to workbench.






Problem	Possible Cause	Solution
Inaccurate cuts.	Fence or miter scale misaligned; Blade wobble; Workpiece movement.	Calibrate fence/scale; Check blade for damage/tightness; Ensure workpiece is clamped.

8. TECHNICAL SPECIFICATIONS

Model Number:	1.1377
Brand:	Stayer
Power Source:	Corded Electric
Voltage:	230 Volts
Power:	1.5 Watts <i>(Note: This value appears unusually low for a miter saw. Please refer to product labeling for accurate power rating.)</i>
No-Load Speed:	3800 rpm
Blade Diameter:	254 mm
Blade Material:	Tungsten Carbide
Product Dimensions (L x W x H):	51 x 52 x 36 cm
Item Weight:	14.5 Kilograms
Color:	Red, Black
Material (Housing):	Steel, Aluminum
Country of Origin:	Spain

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Stayer customer service or refer to the warranty card included with your purchase. Specific warranty terms may vary by region and retailer. You can find more information and contact details on the official Stayer website www.stayer.es

 <p>STAYER SC210W</p>	<p>STAYER SC210W: Manual de Instrucciones y Guía de Uso</p> <p>Descubra cómo operar, mantener y ajustar su sierra ingletadora STAYER SC210W con este manual completo. Incluye instrucciones de seguridad, montaje y especificaciones técnicas.</p>
 <p>STAYER SC 250W PRO SC265 W SC 250 W SC 305 IW SC 305 W</p>	<p>Manual de Instrucciones STAYER SC 250W PRO, SC265 W, SC 250 W, SC 305 IW, SC 305 W</p> <p>Manual completo de instrucciones y especificaciones técnicas para las sierras ingletadoras STAYER modelos SC 250W PRO, SC265 W, SC 250 W, SC 305 IW, y SC 305 W. Incluye guías de seguridad, uso y mantenimiento.</p>
 <p>STAYER SC 210 BW</p>	<p>Manual de Instrucciones STAYER SC 210 BW: Guía Completa y Seguridad</p> <p>Descargue el manual de instrucciones completo para la sierra STAYER SC 210 BW. Incluye especificaciones técnicas, guías de uso, ajustes y precauciones de seguridad para un manejo óptimo.</p>
	<p>STAYER Catálogo General 2023: Equipos de Soldadura y Herramientas Profesionales</p> <p>Descubre el catálogo completo de STAYER 2023. Encuentra equipos de soldadura (MMA, TIG, MIG/MAG, Plasma), accesorios y consumibles de alta calidad diseñados para profesionales. Conoce la tecnología, calidad y compromiso de STAYER.</p>
 <p>STAYER WELDING Como PLASMA PLASMA 40 COM GE PLASMA 100 TGE PLASMA MULTI 40</p>	<p>Manual de Usuario de Máquinas de Corte por Plasma STAYER</p> <p>Este manual proporciona instrucciones de operación, seguridad y especificaciones técnicas para las máquinas de corte por plasma STAYER, incluyendo los modelos Plasma Multi 40, Plasma 40 COM GE y Plasma 100 TGE.</p>



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[Manual de Instrucciones para Mezcladoras STAYER DM1600, M1100C, M1200C, M1200D, M1600](#)

Manual de instrucciones completo para mezcladoras STAYER, modelos DM1600, M1100C, M1200C, M1200D y M1600. Proporciona directrices de seguridad, instrucciones de operación, mantenimiento y datos técnicos para un uso seguro y eficiente.