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Sanwa SG230B

Sanwa Electric Tool Keystone Cutter SG-230B Instruction Manual

Model: SG-230B

1. INTRODUCTION

Thank you for purchasing the Sanwa Electric Tool Keystone Cutter SG-230B. This tool is designed for efficient and precise cutting of various metal sheets, particularly corrugated thick plates such as deck plates and C-channels. Please read this manual thoroughly before operating the tool to ensure safe and effective use. Keep this manual in a safe place for future reference.



Image of the Sanwa SG-230B Keystone Cutter, a corded electric tool designed for cutting metal sheets.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Do not overreach. Keep proper footing and balance at all times. Dress properly. Do not wear loose clothing or jewelry.

- **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.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.

3. SETUP

Before initial use, ensure the tool is properly set up.

1. **Unpacking:** Carefully remove the Keystone Cutter from its packaging. Inspect the tool for any signs of damage that may have occurred during shipping.
2. **Power Connection:** This tool operates on AC100V. Ensure your power outlet matches this voltage. The power cord length is 2.4 meters. Connect the tool to a suitable power source.
3. **Workpiece Preparation:** Secure the material to be cut firmly to prevent movement during operation. Mark your cutting line clearly.
4. **Blade Inspection:** Before each use, check the cutting blade for sharpness and any damage. A dull or damaged blade can affect cutting performance and safety.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of the Keystone Cutter.

1. **Starting the Cut:** Position the cutter on the edge of the material or at the designated pilot hole for mid-cut operations. Ensure the cutting head is stable.
2. **Power On:** Press the power switch to start the motor. Allow the tool to reach full speed before engaging the material.
3. **Cutting:** Guide the tool along the marked cutting line with steady, even pressure. Do not force the tool; let the blade do the work. The cutting capacity for mild steel plate is 2.3mm and for stainless steel is 1.2mm. The cutting width is 6mm.
4. **Mid-Cut Operation:** For internal cuts, a pilot hole of at least 29mm is required. Insert the cutting head into the pilot hole and then proceed with cutting as described above.
5. **Minimum Cutting Radius:** The tool is capable of cutting curves with a minimum radius of 60mm.
6. **Finishing the Cut:** Once the cut is complete, release the power switch and wait for the blade to stop completely before setting the tool down.

5. MAINTENANCE

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

- **Cleaning:** After each use, disconnect the tool from the power supply and clean off any metal shavings or dust from the cutting head and ventilation openings using a brush or compressed air.
- **Blade Replacement:** Replace dull or damaged blades promptly. Refer to the manufacturer's instructions for specific blade replacement procedures.
- **Lubrication:** Periodically apply a small amount of appropriate lubricant to moving parts as recommended by the manufacturer to ensure smooth operation.
- **Storage:** Store the tool in a dry, secure place, out of reach of children.

6. TROUBLESHOOTING

If you encounter issues with your Keystone Cutter, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Faulty switch	Check power connection; Inspect cord for damage; Contact service for switch replacement
Poor cutting performance	Dull or damaged blade; Incorrect cutting technique; Overloading the tool	Replace blade; Review operating instructions; Do not force the tool
Excessive vibration or noise	Loose components; Damaged internal parts; Worn blade	Check for loose screws; Contact service for inspection; Replace blade

If the problem persists after attempting these solutions, please contact an authorized service center.

7. SPECIFICATIONS

Technical specifications for the Sanwa Electric Tool Keystone Cutter SG-230B.

Feature	Specification
Brand	Sanwa
Model Number	SG230B
Rated Current	6.5 A
Power Consumption	520 W
Cutting Capacity (Mild Steel Plate)	2.3 mm
Cutting Capacity (Stainless Steel)	1.2 mm
Minimum Cutting Radius	60 mm
Cutting Width	6 mm
Power Source	AC100V
Cord Length	2.4 m
Product Weight	2.8 kg
Package Dimensions	44.3 x 20.7 x 11.8 cm

8. WARRANTY AND SUPPORT

Specific warranty details and support contact information are not available in the provided product data. For warranty claims, technical support, or service inquiries, please refer to the documentation included with your product packaging or visit the official Sanwa website for the most up-to-date information.

9. PRODUCT VIDEOS

No official product videos were provided in the available data for this item.